ECS Configuration Change Request

CCR No. 97 1070	**Logged Date** 7/15/97	**Rev.** -	**Request Type** CCR

Priority Routine ☒ Urgent ☐ Emergency ☐ | **Affected Release** B | **Change Class** I I

Title (description) Update B.0 Descriptor File Template to correct errors and add attributes for system descriptor files.

Documents Affected	**Source Nos** (RID, NCR, Action Item, GSFC CCR, etc.) **or Tech Reference**
B.0 Descriptor File Template	

RTM Change ☐   **Start New Baseline** ☐

Problem

Several errors in the B.0 Descriptor File Template comments and structures have been identified. This template is also missing specific INVENTORYMETADATA objects used in the descriptor files for system ESDTs. These errors and missing attributes are listed on the next page.

Proposed Solution

Review and approve the attached Version 1.8 B.0 Descriptor File Template.

(Notes:

1. Except for the change in the SERVICE group, the as-built Science Descriptor Files already reflect these changes where applicable.

2. The system ESDTs have already been built to include the attributes being added by this CCR to the B.0 Descriptor File Template.)

Impact Analysis:

Organizations Affected:

BOO ☐	Contracts ☐	ECS Chief Eng ☐	FOS ☐	M&O ☐
Procurement ☐	QO ☐	Rel. Dev ☒	Rel. A ☐	Rel. C ☐	SCDO Arch. ☐
Science Off ☒	Security ☐	Subcontrct ☐	Sys. Eng ☐	Sys Verf Acpt ☐

Cost: None ☒   Small ☐   Medium ☐   Large ☐

        (Not exceeding $100,000)   ($100,000 to $500,000)   (Over $500,000)

Schedule: None ☒   Other

    Additional LOC _____   Man-Months _____

    Materials

Originator Karl W. Cox	Karl Cox	7/10/97
	Signature	Date
Office SDE/Joseph T Senftle Office Manager	Joseph T. Senfle	7/10/97
	Signature	Date

Disposition   Approved ☒   Approved w/Comment ☐   Forward ☐   Disapproved ☐

Comments:

CCB Chairperson	Ramsey Billups	7/29/97
	Signature	Date

Changes for ESDT Descriptor Template B0-VER1.8 (July 1997)

from B0-VER1.6 (March 1997)

Changes to Comments:

1) Changed first comment line of file to reflect new template version B0-VER1.8 (** July 1997).

2) Changed comment containing Collection-level BNF to reflect Model changes for the Locality Class, i.e., 0{Locality}n

3) Changed comment containing Collection-level BNF to reflect Data Model changes for the Contact Class, i.e., 1{Contact}n+

4) Changed comments to refer to 420-TP-015-002, "B.0 Implementation Earth Science Data Model for the ECS Project", May 1997

5) Added comments to the objects in the EVENT group to give an example of how qualifiable events are to be listed.

6) Added comment 14 that the order of the of the elements in an object definition is not important.

7) Clarified comment 5 to explain the objects described within groups within Container objects do not need to include a "Class = " line in the object's description, as this is inherited from the GROUP.

Changes to COLLECTIONMETADATA:

1) Two Class = "M" lines were removed for cases in which the multiplicity of attributes was already defined for the Container object. The groups affected were DistanceandBearingRepresentation and PlanarCoordinateInformation

2) Values for attributes which are stored as strings must be represented in ODL as strings within parentheses. The Version 1.6

Changes to *INVENTORYMETADATA:*

1) Changed the attribute name 'OrbitalParametersPointer' to 'OrbitParametersPointer' to agree with the B.0 Data Model attribute name.

2) For consistency, the order in which the description elements appear has been made uniform and consistent with the order of elements of the COLLECTIONMETADATA Group. While the order of these elements is not important, having a consistent order in the template is desirable to minimize confusion in future ESDT training and maintenance.   The order of the description elements is now as follows (only those elements that apply to an object's description are used):

> Data_Location =
> Mandatory =
> Class =
> TYPE =
> NUM_VAL =
> Value =

Changes to *SERVICE:*

1) To correct a spelling error, EXTRACTIME has been changed to EXTRACTTIME